

ABSTRACT

A parallel operation system of transmission amplifiers enable the parallel running by the two distortion compensation amplifiers using the digital pre-distorter system and to provide

5 a parallel operation system of the transmission amplifiers that makes it possible to switch to respective single running easily.

The parallel operation system includes first and second transmission amplifiers which receive common input signals for outputting amplified signals from respective ones; and a coupling

10 unit which combines outputs of the first and second transmission amplifiers, to provide as its output; the first and second transmission amplifiers each having a main amplifier; and a modulation unit disposed on the input side of the main amplifier; wherein the output of one of the modulation units included in

15 the first and second transmission amplifiers is fed in common to the main amplifiers included in the first and second transmission amplifiers.